

Yoh Iwasa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7511657/publications.pdf>

Version: 2024-02-01

351
papers

19,163
citations

12330

69
h-index

16183

124
g-index

364
all docs

364
docs citations

364
times ranked

12885
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of chronic myeloid leukaemia. <i>Nature</i> , 2005, 435, 1267-1270.	27.8	795
2	Influence of nonlinear incidence rates upon the behavior of SIRS epidemiological models. <i>Journal of Mathematical Biology</i> , 1986, 23, 187-204.	1.9	670
3	Sexual selection. <i>Trends in Ecology and Evolution</i> , 1996, 11, 53-58.	8.7	631
4	Prey Distribution as a Factor Determining the Choice of Optimal Foraging Strategy. <i>American Naturalist</i> , 1981, 117, 710-723.	2.1	481
5	Demographic Theory for an Open Marine Population with Space-Limited Recruitment. <i>Ecology</i> , 1985, 66, 54-67.	3.2	445
6	Dynamics of cancer progression. <i>Nature Reviews Cancer</i> , 2004, 4, 197-205.	28.4	406
7	THE EVOLUTION OF COSTLY MATE PREFERENCES II. THE "HANDICAP" PRINCIPLE. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1431-1442.	2.3	390
8	How should we define goodness?"reputation dynamics in indirect reciprocity. <i>Journal of Theoretical Biology</i> , 2004, 231, 107-120.	1.7	365
9	The leading eight: Social norms that can maintain cooperation by indirect reciprocity. <i>Journal of Theoretical Biology</i> , 2006, 239, 435-444.	1.7	332
10	Indirect reciprocity provides only a narrow margin of efficiency for costly punishment. <i>Nature</i> , 2009, 457, 79-82.	27.8	320
11	The Evolution of Cooperation in a Lattice-Structured Population. <i>Journal of Theoretical Biology</i> , 1997, 184, 65-81.	1.7	309
12	The Evolution of Costly Mate Preferences II. The 'Handicap' Principle. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1431.	2.3	293
13	Theory of oviposition strategy of parasitoids. I. Effect of mortality and limited egg number. <i>Theoretical Population Biology</i> , 1984, 26, 205-227.	1.1	276
14	THE EVOLUTION OF COSTLY MATE PREFERENCES I. FISHER AND BIASED MUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1422-1430.	2.3	252
15	Stochastic Tunnels in Evolutionary Dynamics. <i>Genetics</i> , 2004, 166, 1571-1579.	2.9	233
16	Aggregation in model ecosystems. I. Perfect aggregation. <i>Ecological Modelling</i> , 1987, 37, 287-302.	2.5	221
17	Pollen Coupling of Forest Trees: Forming Synchronized and Periodic Reproduction out of Chaos. <i>Journal of Theoretical Biology</i> , 2000, 203, 63-84.	1.7	212
18	Evolution of Resistance During Clonal Expansion. <i>Genetics</i> , 2006, 172, 2557-2566.	2.9	210

#	ARTICLE	IF	CITATIONS
19	Optimal size of storage for recovery after unpredictable disturbances. <i>Evolutionary Ecology</i> , 1997, 11, 41-65.	1.2	208
20	Continual change in mate preferences. <i>Nature</i> , 1995, 377, 420-422.	27.8	205
21	The linear process of somatic evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14966-14969.	7.1	205
22	Shoot/root balance of plants: Optimal growth of a system with many vegetative organs. <i>Theoretical Population Biology</i> , 1984, 25, 78-105.	1.1	204
23	Onymity promotes cooperation in social dilemma experiments. <i>Science Advances</i> , 2017, 3, e1601444.	10.3	199
24	Can chromosomal instability initiate tumorigenesis?. <i>Seminars in Cancer Biology</i> , 2005, 15, 43-49.	9.6	177
25	THE EVOLUTION OF MATE PREFERENCES FOR MULTIPLE SEXUAL ORNAMENTS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 853-867.	2.3	176
26	The coevolution of altruism and punishment: Role of the selfish punisher. <i>Journal of Theoretical Biology</i> , 2006, 240, 475-488.	1.7	175
27	Good Parent and Good Genes Models of Handicap Evolution. <i>Journal of Theoretical Biology</i> , 1999, 200, 97-109.	1.7	173
28	Optimal Growth Schedule of a Perennial Plant. <i>American Naturalist</i> , 1989, 133, 480-505.	2.1	161
29	Exploiting a cognitive bias promotes cooperation in social dilemma experiments. <i>Nature Communications</i> , 2018, 9, 2954.	12.8	160
30	Emergence patterns in male butterflies: A hypothesis and a test. <i>Theoretical Population Biology</i> , 1983, 23, 363-379.	1.1	158
31	A Generalized Model of Parasitoid, Venereal, and Vector-Based Transmission Processes. <i>American Naturalist</i> , 1995, 145, 661-675.	2.1	156
32	Vertical Migration of Zooplankton: A Game Between Predator and Prey. <i>American Naturalist</i> , 1982, 120, 171-180.	2.1	154
33	Lattice population dynamics for plants with dispersing seeds and Vegetative propagation. <i>Researches on Population Ecology</i> , 1994, 36, 237-249.	0.9	142
34	Dynamics of a metapopulation with space-limited subpopulations. <i>Theoretical Population Biology</i> , 1986, 29, 235-261.	1.1	141
35	Evolution of multiple sexual preferences by Fisher's runaway process of sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1993, 253, 173-181.	2.6	138
36	Aggregation in Model Ecosystems II. Approximate Aggregation. <i>Mathematical Medicine and Biology</i> , 1989, 6, 1-23.	1.2	135

#	ARTICLE	IF	CITATIONS
37	The Evolution of Mate Preferences for Multiple Sexual Ornaments. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 853.	2.3	134
38	Runaway ornament diversity caused by Fisherian sexual selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 5106-5111.	7.1	134
39	Optimal Mixed Strategies in Stochastic Environments. <i>Theoretical Population Biology</i> , 1995, 47, 212-243.	1.1	133
40	A sex ratio theory of gregarious parasitoids. <i>Researches on Population Ecology</i> , 1980, 22, 366-382.	0.9	132
41	Allelopathy of bacteria in a lattice population: Competition between colicin-sensitive and colicin-producing strains. <i>Evolutionary Ecology</i> , 1998, 12, 785-802.	1.2	125
42	Starlings exploiting patches: the effect of recent experience on foraging decisions. <i>Animal Behaviour</i> , 1990, 40, 625-640.	1.9	123
43	Optimal growth schedule of pathogens within a host: Switching between lytic and latent cycles. <i>Theoretical Population Biology</i> , 1991, 39, 201-239.	1.1	118
44	Evolutionary dynamics of invasion and escape. <i>Journal of Theoretical Biology</i> , 2004, 226, 205-214.	1.7	114
45	The Evolution of Costly Mate Preferences I. Fisher and Biased Mutation. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1422.	2.3	113
46	Tree height and crown shape, as results of competitive games. <i>Journal of Theoretical Biology</i> , 1985, 112, 279-297.	1.7	112
47	Dynamics of colorectal cancer. <i>Seminars in Cancer Biology</i> , 2005, 15, 484-493.	9.6	112
48	Inducible Defense against Pathogens and Parasites: Optimal Choice among Multiple Options. <i>Journal of Theoretical Biology</i> , 2001, 209, 233-247.	1.7	110
49	Self-organization of the vascular system in plant leaves: Inter-dependent dynamics of auxin flux and carrier proteins. <i>Journal of Theoretical Biology</i> , 2005, 236, 366-375.	1.7	109
50	Free fitness that always increases in evolution. <i>Journal of Theoretical Biology</i> , 1988, 135, 265-281.	1.7	108
51	The synchronized and intermittent reproduction of forest trees is mediated by the Moran effect, only in association with pollen coupling. <i>Journal of Ecology</i> , 2002, 90, 830-838.	4.0	101
52	Sex change evolution and cost of reproduction. <i>Behavioral Ecology</i> , 1991, 2, 56-68.	2.2	99
53	Forest Spatial Dynamics with Gap Expansion: Total Gap Area and Gap Size Distribution. <i>Journal of Theoretical Biology</i> , 1996, 180, 229-246.	1.7	95
54	Evolutionary dynamics of tumor suppressor gene inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10635-10638.	7.1	94

#	ARTICLE	IF	CITATIONS
55	SPATIALLY LIMITED POLLEN EXCHANGE AND A LONG-RANGE SYNCHRONIZATION OF TREES. <i>Ecology</i> , 2002, 83, 993-1005.	3.2	93
56	Spatio-temporal development of forests - current trends in field methods and models. <i>Oikos</i> , 2004, 107, 3-15.	2.7	93
57	Score-dependent Fertility Model for the Evolution of Cooperation in a Lattice. <i>Journal of Theoretical Biology</i> , 1998, 194, 101-124.	1.7	91
58	Pollinator Foraging Strategies in Mixed Floral Arrays: Density Effects and Floral Constancy. <i>Theoretical Population Biology</i> , 1996, 49, 232-263.	1.1	87
59	The Evolution of Genomic Imprinting. <i>Genetics</i> , 1996, 144, 1283-1295.	2.9	86
60	The timing of life history events. <i>Journal of Theoretical Biology</i> , 1995, 172, 33-42.	1.7	85
61	Evolutionary dynamics of escape from biomedical intervention. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2573-2578.	2.6	85
62	Global analyses of evolutionary dynamics and exhaustive search for social norms that maintain cooperation by reputation. <i>Journal of Theoretical Biology</i> , 2007, 244, 518-531.	1.7	85
63	Global legume diversity assessment: Concepts, key indicators, and strategies. <i>Taxon</i> , 2013, 62, 249-266.	0.7	85
64	Evolution of Resistance to Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2006, 12, 261-271.	1.9	84
65	Neutral theory as a predictor of avifaunal extinctions after habitat loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2316-2321.	7.1	84
66	Niche Overlap of Parasitoids in Host-Parasitoid Systems: Its Consequence to Single Versus Multiple Introduction Controversy in Biological Control. <i>Journal of Applied Ecology</i> , 1984, 21, 115.	4.0	83
67	Linear Model of Colon Cancer Initiation. <i>Cell Cycle</i> , 2004, 3, 356-360.	2.6	83
68	A symmetry of fixation times in evolutionary dynamics. <i>Journal of Theoretical Biology</i> , 2006, 243, 245-251.	1.7	80
69	Random cell movement promotes synchronization of the segmentation clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4979-4984.	7.1	77
70	Interspecific competition among metapopulations with space-limited subpopulations. <i>Theoretical Population Biology</i> , 1986, 30, 194-214.	1.1	75
71	The age incidence of chronic myeloid leukemia can be explained by a one-mutation model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14931-14934.	7.1	74
72	7 The Conflict Theory of Genomic Imprinting: How Much Can Be Explained?. <i>Current Topics in Developmental Biology</i> , 1998, 40, 255-293.	2.2	71

#	ARTICLE	IF	CITATIONS
73	Population Persistence and Spatially Limited Social Interaction. <i>Theoretical Population Biology</i> , 1995, 48, 65-91.	1.1	70
74	Extinction Rate of a Population under both Demographic and Environmental Stochasticity. <i>Theoretical Population Biology</i> , 1998, 53, 1-15.	1.1	70
75	Modeling of Wave Regeneration in Subalpine Abies Forests: Population Dynamics with Spatial Structure. <i>Ecology</i> , 1993, 74, 1538-1550.	3.2	66
76	Sex Specific X Chromosome Expression Caused by Genomic Imprinting. <i>Journal of Theoretical Biology</i> , 1999, 197, 487-495.	1.7	66
77	INFERRING THE RATES OF BRANCHING AND EXTINCTION FROM MOLECULAR PHYLOGENIES. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 694-704.	2.3	65
78	Establishment Probability in Fluctuating Environments: A Branching Process Model. <i>Theoretical Population Biology</i> , 1996, 50, 254-280.	1.1	65
79	Extinction Risk of a Density-dependent Population Estimated from a Time Series of Population Size. <i>Journal of Theoretical Biology</i> , 2000, 204, 337-359.	1.7	65
80	Measurement of Mutational Flow Implies Both a High New-Mutation Rate for Huntington Disease and Substantial Underascertainment of Late-Onset Cases. <i>American Journal of Human Genetics</i> , 2001, 68, 373-385.	6.2	64
81	Evolution towards oscillation or stability in a predator-prey system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3163-3171.	2.6	63
82	Coupled ecological and social dynamics in a forested landscape: the deviation of individual decisions from the social optimum. <i>Ecological Research</i> , 2006, 21, 370-379.	1.5	62
83	Genetic Addiction: Selfish Gene's Strategy for Symbiosis in the Genome. <i>Genetics</i> , 2006, 172, 1309-1323.	2.9	62
84	Somatic selection for and against cancer. <i>Journal of Theoretical Biology</i> , 2003, 225, 377-382.	1.7	61
85	Comparative Study of Circadian Clock Models, in Search of Processes Promoting Oscillation. <i>Journal of Theoretical Biology</i> , 2002, 216, 193-208.	1.7	59
86	Inferring the Rates of Branching and Extinction from Molecular Phylogenies. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 694.	2.3	57
87	Probability of Clonal Identity: Inferring the Relative Success of Sexual Versus Clonal Reproduction from Spatial Genetic Patterns. <i>Journal of Ecology</i> , 1997, 85, 591.	4.0	57
88	Species Coexistence by Permanent Spatial Heterogeneity in a Lottery Model. <i>Theoretical Population Biology</i> , 2000, 57, 273-284.	1.1	57
89	Stochastic dynamics of metastasis formation. <i>Journal of Theoretical Biology</i> , 2006, 240, 521-530.	1.7	57
90	How canalization can make loops: A new model of reticulated leaf vascular pattern formation. <i>Journal of Theoretical Biology</i> , 2006, 243, 235-244.	1.7	57

#	ARTICLE	IF	CITATIONS
91	The Evolution of Two Mutations During Clonal Expansion. <i>Genetics</i> , 2007, 177, 2209-2221.	2.9	57
92	A Model for the Circadian Rhythm of Cyanobacteria that Maintains Oscillation without Gene Expression. <i>Biophysical Journal</i> , 2006, 91, 2015-2023.	0.5	56
93	Patterns of Cell Division and the Risk of Cancer. <i>Genetics</i> , 2003, 163, 1527-1532.	2.9	56
94	Relative entropy under mappings by stochastic matrices. <i>Linear Algebra and Its Applications</i> , 1993, 179, 211-235.	0.9	54
95	Optimal Level of Chemical Defense Decreasing with Leaf Age. <i>Theoretical Population Biology</i> , 1996, 50, 124-148.	1.1	53
96	Stripes, spots, or reversed spots in two-dimensional Turing systems. <i>Journal of Theoretical Biology</i> , 2003, 224, 339-350.	1.7	53
97	The evolution of a MÃ¼llerian mimic in a spatially distributed community. <i>Journal of Theoretical Biology</i> , 2005, 237, 87-103.	1.7	53
98	Population genetics of tumor suppressor genes. <i>Journal of Theoretical Biology</i> , 2005, 233, 15-23.	1.7	52
99	Reputation Effects in Public and Private Interactions. <i>PLoS Computational Biology</i> , 2015, 11, e1004527.	3.2	51
100	Evolutionary Dynamics of Intratumor Heterogeneity. <i>PLoS ONE</i> , 2011, 6, e17866.	2.5	51
101	Dynamic modeling of wave regeneration (Shimagare) in subalpine <i>Abies</i> forests. <i>Journal of Theoretical Biology</i> , 1991, 152, 143-158.	1.7	50
102	Temperature compensation in circadian clock models. <i>Journal of Theoretical Biology</i> , 2005, 233, 453-468.	1.7	50
103	Stochastic elimination of cancer cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2017-2024.	2.6	49
104	Nonlinear behavior of the socio-economic dynamics for lake eutrophication control. <i>Ecological Economics</i> , 2007, 63, 219-229.	5.7	49
105	The pace of evolution across fitness valleys. <i>Journal of Theoretical Biology</i> , 2009, 259, 613-620.	1.7	49
106	Mechanisms for split localization of <i>Fgf10</i> expression in early lung development. <i>Developmental Dynamics</i> , 2009, 238, 2813-2822.	1.8	48
107	Unique coevolutionary dynamics in a predatorâ€“prey system. <i>Journal of Theoretical Biology</i> , 2011, 277, 83-89.	1.7	48
108	Evolutionary Branching in a Finite Population: Deterministic Branching vs. Stochastic Branching. <i>Genetics</i> , 2013, 193, 229-241.	2.9	48

#	ARTICLE	IF	CITATIONS
109	Games of corruption: How to suppress illegal logging. <i>Journal of Theoretical Biology</i> , 2015, 367, 1-13.	1.7	48
110	Optimal Recombination Rate in Fluctuating Environments. <i>Genetics</i> , 1987, 115, 377-388.	2.9	48
111	Why pollinators visit only a fraction of the open flowers on a plant: The plant's point of view. <i>Journal of Evolutionary Biology</i> , 1995, 8, 439-453.	1.7	47
112	Competition by Allelopathy Proceeds in Traveling Waves: Colicin-Immune Strain Aids Colicin-Sensitive Strain. <i>Theoretical Population Biology</i> , 2000, 57, 131-144.	1.1	45
113	Saturation of Enzyme Kinetics in Circadian Clock Models. <i>Journal of Biological Rhythms</i> , 2002, 17, 568-577.	2.6	45
114	EVOLUTION OF THE NUMBER OF SEXES. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 49-65.	2.3	44
115	The Evolution of X-Linked Genomic Imprinting. <i>Genetics</i> , 2001, 158, 1801-1809.	2.9	44
116	Directionality of Stripes Formed by Anisotropic Reaction-Diffusion Models. <i>Journal of Theoretical Biology</i> , 2002, 214, 549-561.	1.7	43
117	SEXUAL SELECTION CAN INCREASE THE EFFECT OF RANDOM GENETIC DRIFT-A QUANTITATIVE GENETIC MODEL OF POLYMORPHISM IN OOPHAGA PUMILIO, THE STRAWBERRY POISON-DART FROG. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1719-1728.	2.3	43
118	Species persistence in landscapes with spatial variation in habitat quality: A pair approximation model. <i>Journal of Theoretical Biology</i> , 2013, 335, 22-30.	1.7	42
119	Stress-mediated Allee effects can cause the sudden collapse of honey bee colonies. <i>Journal of Theoretical Biology</i> , 2017, 420, 213-219.	1.7	42
120	Linear model of colon cancer initiation. <i>Cell Cycle</i> , 2004, 3, 358-62.	2.6	42
121	Coupled ecological-social dynamics in a forested landscape: Spatial interactions and information flow. <i>Journal of Theoretical Biology</i> , 2007, 246, 695-707.	1.7	41
122	Traveling wave formation in vertebrate segmentation. <i>Journal of Theoretical Biology</i> , 2009, 257, 385-396.	1.7	41
123	A stochastic model of chromatin modification: Cell population coding of winter memory in plants. <i>Journal of Theoretical Biology</i> , 2012, 302, 6-17.	1.7	41
124	Evolution of contest competition and its effect on host-parasitoid dynamics. <i>Evolutionary Ecology</i> , 1998, 12, 855-870.	1.2	40
125	Some basic properties of immune selection. <i>Journal of Theoretical Biology</i> , 2004, 229, 179-188.	1.7	40
126	ESS emergence pattern of male butterflies in stochastic environments. <i>Evolutionary Ecology</i> , 1994, 8, 503-523.	1.2	38

#	ARTICLE	IF	CITATIONS
127	Variable Timing of Reproduction in Unpredictable Environments: Adaption of Flood Plain Plants. <i>Theoretical Population Biology</i> , 2001, 60, 1-15.	1.1	38
128	Local Regulation of Homeostasis Favors Chromosomal Instability. <i>Current Biology</i> , 2003, 13, 581-584.	3.9	38
129	Tragedy of the commons in plant water use. <i>Water Resources Research</i> , 2006, 42, .	4.2	38
130	Origin of directionality in the fish stripe pattern. <i>Developmental Dynamics</i> , 2003, 226, 627-633.	1.8	37
131	Optimal Growth Pattern of Defensive Organs: The Diversity of Shell Growth among Mollusks. <i>American Naturalist</i> , 2005, 165, 238-249.	2.1	37
132	Pessimistic plant: Optimal growth schedule in stochastic environments. <i>Theoretical Population Biology</i> , 1991, 40, 246-268.	1.1	35
133	Virus evolution within patients increases pathogenicity. <i>Journal of Theoretical Biology</i> , 2005, 232, 17-26.	1.7	35
134	Social evolution leads to persistent corruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13276-13281.	7.1	34
135	Synchronized deforestation induced by social learning under uncertainty of forest-use value. <i>Ecological Economics</i> , 2007, 63, 452-462.	5.7	33
136	A Stochastic Model for Cell Sorting and Measuring Cellâ€™Cell Adhesion. <i>Journal of Theoretical Biology</i> , 1996, 179, 129-146.	1.7	32
137	Evolution of condition-dependent dispersal: A genetic-algorithm search for the ESS reaction norm. <i>Researches on Population Ecology</i> , 1997, 39, 127-137.	0.9	32
138	Size-Dependent Mutability and Microsatellite Constraints. <i>Molecular Biology and Evolution</i> , 1999, 16, 960-966.	8.9	32
139	Growth Based Morphogenesis of Vertebrate Limb Bud. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 1957-1978.	1.9	32
140	Dynamic modeling of branching morphogenesis of ureteric bud in early kidney development. <i>Journal of Theoretical Biology</i> , 2009, 259, 58-66.	1.7	32
141	Mechanisms inducing spatially extended synchrony in mast seeding: The role of pollen coupling and environmental fluctuation. <i>Ecological Research</i> , 2004, 19, 13-20.	1.5	31
142	Dynamic optimization of host defense, immune memory, and post-infection pathogen levels in mammals. <i>Journal of Theoretical Biology</i> , 2004, 228, 17-29.	1.7	31
143	First passage time to allopatric speciation. <i>Interface Focus</i> , 2013, 3, 20130026.	3.0	31
144	Duration of Female Availability and Its Effect on Butterfly Mating Systems. <i>American Naturalist</i> , 1985, 125, 673-678.	2.1	31

#	ARTICLE	IF	CITATIONS
145	Comparing Risk Factors for Population Extinction. <i>Journal of Theoretical Biology</i> , 2000, 204, 327-336.	1.7	30
146	The coupled dynamics of human socio-economic choice and lake water system: the interaction of two sources of nonlinearity. <i>Ecological Research</i> , 2009, 24, 479-489.	1.5	30
147	Paradox of marine protected areas: suppression of fishing may cause species loss. <i>Population Ecology</i> , 2012, 54, 475-485.	1.2	30
148	Accuracy of positional information provided by multiple morphogen gradients with correlated noise. <i>Physical Review E</i> , 2009, 79, 061905.	2.1	29
149	Coordinated changes in cell membrane and cytoplasm during maturation of apoptotic bleb. <i>Molecular Biology of the Cell</i> , 2020, 31, 833-844.	2.1	29
150	Incomplete mixing promotes species coexistence in a lottery model with permanent spatial heterogeneity. <i>Theoretical Population Biology</i> , 2003, 64, 359-368.	1.1	28
151	Forest gap dynamics and the Ising model. <i>Journal of Theoretical Biology</i> , 2004, 230, 65-75.	1.7	28
152	Genetic instability and clonal expansion. <i>Journal of Theoretical Biology</i> , 2006, 241, 26-32.	1.7	28
153	Estimate of population extinction risk and its application to ecological risk management. <i>Population Ecology</i> , 2000, 42, 73-80.	1.2	27
154	SIGNALING EFFICACY DRIVES THE EVOLUTION OF LARGER SEXUAL ORNAMENTS BY SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 216-229.	2.3	27
155	Evolution of the Number of Sexes. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 49.	2.3	26
156	Lattice Models and Pair Approximation in Ecology. , 2000, , 227-251.		26
157	REPRODUCTIVE ASYNCHRONY INCREASES WITH ENVIRONMENTAL DISTURBANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 830.	2.3	26
158	Conflict between groups of players in coupled socio-economic and ecological dynamics. <i>Ecological Economics</i> , 2009, 68, 1106-1115.	5.7	26
159	Temperature-dependent sex determination, realized by hormonal dynamics with enzymatic reactions sensitive to ambient temperature. <i>Journal of Theoretical Biology</i> , 2018, 453, 146-155.	1.7	26
160	Size distribution dynamics of plants with interaction by shading. <i>Ecological Modelling</i> , 1986, 33, 173-184.	2.5	25
161	Evolution of the Selfing Rate and Resource Allocation Models. <i>Plant Species Biology</i> , 1990, 5, 19-30.	1.0	25
162	Analyses of spatial patterns and population processes of clonal plants. <i>Researches on Population Ecology</i> , 1996, 38, 153-164.	0.9	25

#	ARTICLE	IF	CITATIONS
163	Optimal seasonal schedules and the relative dominance of heteromorphic and isomorphic life cycles in macroalgae. <i>Journal of Theoretical Biology</i> , 2010, 267, 201-212.	1.7	25
164	Graduated punishment is efficient in resource management if people are heterogeneous. <i>Journal of Theoretical Biology</i> , 2013, 333, 117-125.	1.7	25
165	An Evolutionary Approach for Identifying Driver Mutations in Colorectal Cancer. <i>PLoS Computational Biology</i> , 2015, 11, e1004350.	3.2	25
166	Overdispersed Molecular Evolution in Constant Environments. <i>Journal of Theoretical Biology</i> , 1993, 164, 373-393.	1.7	24
167	Optimal Defense Strategy: Storage vs. New Production. <i>Journal of Theoretical Biology</i> , 2002, 219, 309-323.	1.7	24
168	Extinction risk to herring gull populations from DDT exposure. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 195-202.	4.3	24
169	Single-class orbits in nonlinear Leslie matrix models for semelparous populations. <i>Journal of Mathematical Biology</i> , 2007, 55, 781-802.	1.9	24
170	The Great Oxygenation Event as a consequence of ecological dynamics modulated by planetary change. <i>Nature Communications</i> , 2021, 12, 3985.	12.8	24
171	Probability of population extinction accompanying a temporary decrease of population size. <i>Researches on Population Ecology</i> , 1988, 30, 145-164.	0.9	23
172	Female Mate Preference to Maximize Paternal Care. II. Female Competition Leads to Monogamy. <i>American Naturalist</i> , 1998, 151, 367-382.	2.1	23
173	Both seedling banks and specialist seed predators promote the evolution of synchronized and intermittent reproduction (masting) in trees. <i>Journal of Ecology</i> , 2010, 98, 1398-1408.	4.0	23
174	COEVOLUTION OF PHENOTYPIC PLASTICITY IN PREDATOR AND PREY: WHY ARE INDUCIBLE OFFENSES RARER THAN INDUCIBLE DEFENSES?. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1079-1087.	2.3	23
175	Role of sex ratio in the evolution of eusociality in haplodiploid social insects. <i>Journal of Theoretical Biology</i> , 1981, 93, 125-142.	1.7	22
176	Dynamics of Marine Sessile Organisms with Space-limited Growth and Recruitment: Application to Corals. <i>Journal of Theoretical Biology</i> , 2001, 210, 67-80.	1.7	22
177	Parasite infection drives the evolution of state-dependent dispersal of the host. <i>Theoretical Population Biology</i> , 2014, 92, 1-13.	1.1	22
178	Cell-cell signalling in sexual chemotaxis: a basis for gametic differentiation, mating types and sexes. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150342.	3.4	22
179	Competition and evolutionary stability of plants in a spatially structured habitat. <i>Researches on Population Ecology</i> , 1997, 39, 67-75.	0.9	21
180	Optimal choice between feedforward and feedback control in gene expression to cope with unpredictable danger. <i>Journal of Theoretical Biology</i> , 2003, 223, 149-160.	1.7	21

#	ARTICLE	IF	CITATIONS
181	Extinction risk to bird populations caused by DDT exposure. <i>Chemosphere</i> , 2003, 53, 377-387.	8.2	21
182	Turing Pattern Formation with Two Kinds of Cells and a Diffusive Chemical. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 2515-2536.	1.9	21
183	Distance between AER and ZPA Is Defined by Feed-Forward Loop and Is Stabilized by their Feedback Loop in Vertebrate Limb Bud. <i>Bulletin of Mathematical Biology</i> , 2008, 70, 438-459.	1.9	21
184	Pollinator coupling can induce synchronized flowering in different plant species. <i>Journal of Theoretical Biology</i> , 2010, 267, 153-163.	1.7	21
185	A Theory on the Temporal Pattern of Operational Sex Ratio: The Active-Inactive Model. <i>Ecology</i> , 1984, 65, 886-893.	3.2	20
186	Female Mate Preference to Maximize Paternal Care: A Two-Step Game. <i>American Naturalist</i> , 1996, 147, 996-1027.	2.1	20
187	Formation of Cone Mosaic of Zebrafish Retina. <i>Journal of Theoretical Biology</i> , 1999, 200, 231-244.	1.7	20
188	The fastest evolutionary trajectory. <i>Journal of Theoretical Biology</i> , 2007, 249, 617-623.	1.7	20
189	A game model for the daily activity schedule of the male butterfly. <i>Journal of Insect Behavior</i> , 1989, 2, 589-608.	0.7	19
190	Mate Choice Copying as Bayesian Decision Making. <i>American Naturalist</i> , 2005, 165, 403-410.	2.1	19
191	Synchronized oscillation of the segmentation clock gene in vertebrate development. <i>Journal of Mathematical Biology</i> , 2010, 61, 207-229.	1.9	19
192	Paradox of nutrient removal in coupled socioeconomic and ecological dynamics for lake water pollution. <i>Theoretical Ecology</i> , 2010, 3, 113-122.	1.0	19
193	Tourists and traditional divers in a common fishing ground. <i>Ecological Economics</i> , 2011, 70, 2350-2360.	5.7	19
194	Size distribution dynamics for a marine sessile organism with space-limitation in growth and recruitment: application to a coral population. <i>Journal of Animal Ecology</i> , 2001, 70, 579-589.	2.8	18
195	Coupled social and ecological dynamics of herders in Mongolian rangelands. <i>Ecological Economics</i> , 2015, 114, 208-217.	5.7	18
196	Cell-cell adhesion in limb-formation, estimated from photographs of cell sorting experiments based on a spatial stochastic model. , 1998, 211, 204-214.		17
197	Multiple-year optimization of conservation effort and monitoring effort for a fluctuating population. <i>Journal of Theoretical Biology</i> , 2004, 230, 157-171.	1.7	17
198	Extinction risk of a meta-population: aggregation approach. <i>Journal of Theoretical Biology</i> , 2005, 232, 203-216.	1.7	17

#	ARTICLE	IF	CITATIONS
199	Labyrinthine versus straight-striped patterns generated by two-dimensional Turing systems. <i>Journal of Theoretical Biology</i> , 2005, 237, 104-116.	1.7	17
200	Individual and combined suppressive effects of submerged and floating-leaved macrophytes on algal blooms. <i>Journal of Theoretical Biology</i> , 2013, 319, 122-133.	1.7	17
201	Difference in the Retinal Cone Mosaic Pattern Between Zebrafish and Medaka: Cell-Rearrangement Model. <i>Journal of Theoretical Biology</i> , 2003, 221, 289-300.	1.7	16
202	Dynamics of metastasis suppressor gene inactivation. <i>Journal of Theoretical Biology</i> , 2006, 241, 676-689.	1.7	16
203	Optimal placement of multiple morphogen sources. <i>Physical Review E</i> , 2008, 77, 041909.	2.1	16
204	The conflict of social norms may cause the collapse of cooperation: Indirect reciprocity with opposing attitudes towards in-group favoritism. <i>Journal of Theoretical Biology</i> , 2014, 346, 34-46.	1.7	16
205	A criterion of life history evolution based on density dependent selection. <i>Journal of Theoretical Biology</i> , 1980, 84, 545-566.	1.7	15
206	Phenological Pattern of Tree Regeneration in a Model for Forest Species Diversity. <i>Theoretical Population Biology</i> , 1996, 49, 90-117.	1.1	15
207	Evolution of stalk/spore ratio in a social amoeba: Cell-to-cell interaction via a signaling chemical shaped by cheating risk. <i>Journal of Theoretical Biology</i> , 2013, 336, 110-118.	1.7	15
208	Evolution of sex determination and sexually dimorphic larval sizes in parasitic barnacles. <i>Journal of Theoretical Biology</i> , 2014, 347, 7-16.	1.7	15
209	Incorporating an ontogenetic perspective into evolutionary theory of sexual size dimorphism. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 369-384.	2.3	15
210	Advantage for the sex changer who retains the gonad of the nonfunctional sex. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	15
211	Evolutionarily stable seasonal timing of univoltine and bivoltine insects. , 1994, , 69-89.		15
212	Noise-induced Regularity of Spatial Wave Patterns in Subalpine Abies Forests. <i>Journal of Theoretical Biology</i> , 1998, 195, 465-479.	1.7	14
213	Neural network for female mate preference, trained by a genetic algorithm. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 399-406.	4.0	14
214	Coding Design of Positional Information for Robust Morphogenesis. <i>Biophysical Journal</i> , 2011, 101, 2324-2335.	0.5	14
215	Dwarf males, large hermaphrodites and females in marine species: A dynamic optimization model of sex allocation and growth. <i>Theoretical Population Biology</i> , 2013, 85, 49-57.	1.1	14
216	THE HANDICAP PROCESS FAVORS EXAGGERATED, RATHER THAN REDUCED, SEXUAL ORNAMENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2534-2549.	2.3	14

#	ARTICLE	IF	CITATIONS
217	Pandemic HIV-1 Vpu overcomes intrinsic herd immunity mediated by tetherin. <i>Scientific Reports</i> , 2015, 5, 12256.	3.3	14
218	Variation in plastic responses to light results from selection in different competitive environmentsâ€”A game theoretical approach using virtual plants. <i>PLoS Computational Biology</i> , 2019, 15, e1007253.	3.2	14
219	Asynchronous pupation of univoltine insects as evolutionarily stable phenology. <i>Researches on Population Ecology</i> , 1991, 33, 213-227.	0.9	13
220	Cell-differentiation Rules that Generate Regular Mosaic Patterns: Modelling Motivated by Cone Mosaic Formation in Fish Retina. <i>Journal of Theoretical Biology</i> , 1998, 194, 575-586.	1.7	13
221	Modeling socio-economic aspects of ecosystem management and biodiversity conservation. <i>Population Ecology</i> , 2014, 56, 27-40.	1.2	13
222	Games of corruption in preventing the overuse of common-pool resources. <i>Journal of Theoretical Biology</i> , 2017, 428, 76-86.	1.7	13
223	Number of infection events per cell during HIV-1 cell-free infection. <i>Scientific Reports</i> , 2017, 7, 6559.	3.3	13
224	Stochastic Tunneling of Two Mutations in a Population of Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e65724.	2.5	13
225	Branching-diffusion model for the formation of distributional patterns in populations. <i>Journal of Mathematical Biology</i> , 1984, 19, 109-124.	1.9	12
226	Long-term effect of coral transplantation: Restoration goals and the choice of species. <i>Journal of Theoretical Biology</i> , 2011, 280, 127-138.	1.7	12
227	A Survey of Indirect Reciprocity. , 2007, , 21-49.		12
228	Forest gap dynamics with partially synchronized disturbances and patch age distribution. <i>Ecological Modelling</i> , 1995, 77, 257-271.	2.5	11
229	Robustness of optimal mixed strategies. <i>Journal of Mathematical Biology</i> , 1998, 36, 485-496.	1.9	11
230	Optimal Conservation Effort for a Population in a Stochastic Environment. <i>Journal of Theoretical Biology</i> , 2003, 220, 215-231.	1.7	11
231	Estimating local interaction from spatiotemporal forest data, and Monte Carlo bias correction. <i>Journal of Theoretical Biology</i> , 2004, 226, 225-235.	1.7	11
232	Robustness of the signal transduction system of the mammalian JAK/STAT pathway and dimerization steps. <i>Journal of Theoretical Biology</i> , 2007, 246, 1-9.	1.7	11
233	Dwarf males and hermaphrodites can coexist in marine sedentary species if the opportunity to become a dwarf male is limited. <i>Journal of Theoretical Biology</i> , 2013, 334, 101-108.	1.7	11
234	Barriers to Cooperation Aid Ideological Rigidity and Threaten Societal Collapse. <i>PLoS Computational Biology</i> , 2014, 10, e1003618.	3.2	11

#	ARTICLE	IF	CITATIONS
235	Conservation effort and assessment of population size in fluctuating environments. <i>Journal of Theoretical Biology</i> , 2003, 224, 167-182.	1.7	10
236	Coexistence of a sexual and an unisexual form stabilized by parasites. <i>Journal of Theoretical Biology</i> , 2004, 226, 185-194.	1.7	10
237	Deviation from power law, spatial data of forest canopy gaps, and three lattice models. <i>Ecological Modelling</i> , 2006, 198, 399-408.	2.5	10
238	Comment on "Extinction Debt and Windows of Conservation Opportunity in the Brazilian Amazon". <i>Science</i> , 2013, 339, 271-271.	12.6	10
239	Smallness of the number of incompatibility loci can facilitate parapatric speciation. <i>Journal of Theoretical Biology</i> , 2016, 405, 36-45.	1.7	10
240	Parapatric speciation in three islands: dynamics of geographical configuration of allele sharing. <i>Royal Society Open Science</i> , 2017, 4, 160819.	2.4	10
241	Task allocation in a cooperative society: specialized castes or age-dependent switching among ant workers. <i>Scientific Reports</i> , 2020, 10, 3339.	3.3	10
242	Evolution of litter size. <i>Researches on Population Ecology</i> , 1981, 23, 344-359.	0.9	9
243	Maintenance of forest species diversity and latitudinal gradient. <i>Plant Ecology</i> , 1995, 121, 127-134.	1.2	9
244	On Rugged Shape of Skin Tumor (Basal Cell Carcinoma). <i>Journal of Theoretical Biology</i> , 1998, 194, 65-78.	1.7	9
245	Optimal choice of species and size class for transplanting coral community. <i>Journal of Theoretical Biology</i> , 2011, 273, 130-137.	1.7	9
246	Coevolution of mast seeding in trees and extended diapause of seed predators. <i>Journal of Theoretical Biology</i> , 2013, 339, 129-139.	1.7	9
247	A tipping point in parapatric speciation. <i>Journal of Theoretical Biology</i> , 2017, 421, 81-92.	1.7	9
248	Profit Sharing as a Management Strategy for a State-owned Teak Plantation at High Risk for Illegal Logging. <i>Ecological Economics</i> , 2018, 149, 140-148.	5.7	9
249	Autoimmune diseases initiated by pathogen infection: Mathematical modeling. <i>Journal of Theoretical Biology</i> , 2020, 498, 110296.	1.7	9
250	Crossover Accelerates Evolution in GAs with a Babel-like Fitness Landscape: Mathematical Analyses. <i>Evolutionary Computation</i> , 1999, 7, 275-310.	3.0	8
251	Possibility of Tissue Separation Caused by Cell Adhesion. <i>Journal of Theoretical Biology</i> , 2003, 221, 459-474.	1.7	8
252	Probability of resistance evolution for exponentially growing virus in the host. <i>Journal of Theoretical Biology</i> , 2007, 246, 323-331.	1.7	8

#	ARTICLE	IF	CITATIONS
253	Mathematical Study of the Role of Delta/Notch Lateral Inhibition during Primary Branching of <i>Drosophila</i> Trachea Development. <i>Biophysical Journal</i> , 2012, 103, 2549-2559.	0.5	8
254	Reproductive interference can promote recurrent speciation. <i>Population Ecology</i> , 2015, 57, 343-346.	1.2	8
255	Population dynamics of chemotrophs in anaerobic conditions where the metabolic energy acquisition per redox reaction is limited. <i>Journal of Theoretical Biology</i> , 2019, 467, 164-173.	1.7	8
256	Optimal seasonal timing of univoltine and bivoltine insects. <i>Ecological Research</i> , 1992, 7, 55-62.	1.5	7
257	On the emergence of multifocal cancers. <i>Journal of Carcinogenesis</i> , 2004, 3, 13.	2.5	7
258	Spatial pattern analysis in forest dynamics: deviation from power law and direction of regeneration waves. <i>Ecological Research</i> , 2007, 22, 197-203.	1.5	7
259	Optimal conservation strategy in fluctuating environments with species interactions: Resource-enhancement of the native species versus extermination of the alien species. <i>Journal of Theoretical Biology</i> , 2007, 244, 46-58.	1.7	7
260	Comparison between perfect information and passive adaptive social learning models of forest harvesting. <i>Theoretical Ecology</i> , 2008, 1, 189-197.	1.0	7
261	Green world maintained by adaptation. <i>Theoretical Ecology</i> , 2011, 4, 201-210.	1.0	7
262	Cultural evolution of a belief controlling human mate choice: Dynamic modeling of the hinoeuma superstition in Japan. <i>Journal of Theoretical Biology</i> , 2012, 309, 20-28.	1.7	7
263	Interactions between immunotoxicants and parasite stress: Implications for host health. <i>Journal of Theoretical Biology</i> , 2018, 445, 120-127.	1.7	7
264	The fitness of chemotrophs increases when their catabolic by-products are consumed by other species. <i>Ecology Letters</i> , 2019, 22, 1994-2005.	6.4	7
265	The Origin of Isogamous Sexual Differentiation. , 1991, , 155-181.		7
266	A lattice-structured model for beech forest dynamics: the effect of understory dwarf bamboo. <i>Ecological Modelling</i> , 1993, 66, 261-275.	2.5	6
267	Multiple feedback loops achieve robust localization of wingless expression in <i>Drosophila notum</i> development. <i>Journal of Theoretical Biology</i> , 2012, 292, 18-29.	1.7	6
268	Variability in the evolutionarily stable seasonal timing of germination and maturation of annuals and the mode of competition. <i>Journal of Theoretical Biology</i> , 2012, 304, 66-80.	1.7	6
269	Soil disturbances can suppress the invasion of alien plants under plant soil feedback. <i>Ecological Modelling</i> , 2013, 260, 42-49.	2.5	6
270	The evolutionary advantage of haploid versus diploid microbes in nutrient-poor environments. <i>Journal of Theoretical Biology</i> , 2015, 383, 116-129.	1.7	6

#	ARTICLE	IF	CITATIONS
271	When is allergen immunotherapy effective?. <i>Journal of Theoretical Biology</i> , 2017, 425, 23-42.	1.7	6
272	Be a good loser: A theoretical model for subordinate decision-making on bi-directional sex change in harem fishes. <i>Journal of Theoretical Biology</i> , 2017, 421, 127-135.	1.7	6
273	JTB Editorial Malpractice: A Case Report. <i>Journal of Theoretical Biology</i> , 2020, 488, 110171.	1.7	6
274	Agent-Based Mapping of Credit Risk for Sustainable Microfinance. <i>PLoS ONE</i> , 2015, 10, e0126447.	2.5	6
275	Evolution in a Metapopulation with Space-Limited Subpopulations. <i>Mathematical Medicine and Biology</i> , 1985, 2, 93-107.	1.2	5
276	Aggregation by Chemotactic Random Walk: Drifting Clusters and Chemotactic Friction. <i>Journal of Theoretical Biology</i> , 1994, 168, 259-267.	1.7	5
277	Environmental risk evaluation of chemicals: achievements of the project and seeds for future development of metrics for evaluating risks. <i>Chemosphere</i> , 2003, 53, 389-398.	8.2	5
278	Evolutionary jumping and breakthrough in tree masting evolution. <i>Theoretical Population Biology</i> , 2012, 81, 20-31.	1.1	5
279	Coupled dynamics of intestinal microbiome and immune system—A mathematical study. <i>Journal of Theoretical Biology</i> , 2019, 464, 9-20.	1.7	5
280	Ecotourism development and the heterogeneity of tourists. <i>Theoretical Ecology</i> , 2020, 13, 371-383.	1.0	5
281	Bovine mastitis and optimal disease management: Dynamic programming analysis. <i>Journal of Theoretical Biology</i> , 2020, 498, 110292.	1.7	5
282	Evolutionary game in an androdioecious population: Coupling of outcrossing and male production. <i>Journal of Theoretical Biology</i> , 2021, 513, 110594.	1.7	5
283	Recurrent speciation rates on islands decline with species number. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210255.	2.6	5
284	Evolutionary game of life-cycle types in marine benthic invertebrates: Feeding larvae versus nonfeeding larvae versus direct development. <i>Journal of Theoretical Biology</i> , 2022, 537, 111019.	1.7	5
285	Optimal death strategy of animal populations. <i>Journal of Theoretical Biology</i> , 1978, 72, 611-626.	1.7	4
286	Space, time and statistics. <i>Trends in Ecology and Evolution</i> , 1998, 13, 294-295.	8.7	4
287	How does mate choice contribute to exaggeration and diversity in sexual characters?. , 2001, , 203-220.		4
288	REPRODUCTIVE ASYNCHRONY INCREASES WITH ENVIRONMENTAL DISTURBANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 55, 830-834.	2.3	4

#	ARTICLE	IF	CITATIONS
289	Optimal number of regulatory T cells. <i>Journal of Theoretical Biology</i> , 2010, 263, 210-218.	1.7	4
290	Global mutations and local mutations have very different effects on evolution, illustrated by mixed strategies of asymmetric binary games. <i>Journal of Theoretical Biology</i> , 2010, 262, 223-231.	1.7	4
291	Neutrality without incoherence: a response to Clark. <i>Trends in Ecology and Evolution</i> , 2012, 27, 363.	8.7	4
292	Repopulation dynamics of single haematopoietic stem cells in mouse transplantation experiments: Importance of stem cell composition in competitor cells. <i>Journal of Theoretical Biology</i> , 2016, 394, 57-67.	1.7	4
293	Evolutionary bistability of life history decision in male masu salmon. <i>Journal of Theoretical Biology</i> , 2018, 448, 104-111.	1.7	4
294	Conflict theory of genomic imprinting in mammals. <i>Population Ecology</i> , 2020, 62, 28-37.	1.2	4
295	Enhanced risk of cancer in companion animals as a response to the longevity. <i>Scientific Reports</i> , 2020, 10, 19508.	3.3	4
296	Optimal control of root nodulation – Prediction of life history theory of a mutualistic system. <i>Journal of Theoretical Biology</i> , 2021, 510, 110544.	1.7	4
297	Virulence of a virus: How it depends on growth rate, effectors, memory cells, and immune escape. <i>Journal of Theoretical Biology</i> , 2021, 530, 110875.	1.7	4
298	Bias-Corrected Estimator and Confidence Intervals Based on the Monte Carlo Method. <i>Japanese Journal of Biometrics</i> , 2000, 20, 143-154.	0.0	4
299	Escaping stochastic extinction of mutant virus: Temporal pattern of emergence of drug resistance within a host. <i>Journal of Theoretical Biology</i> , 2022, 537, 111029.	1.7	4
300	Direction of regeneration waves in grid-based models for forest dynamics. <i>Journal of Theoretical Biology</i> , 2006, 242, 363-371.	1.7	3
301	Spatial heterogeneity of mortality and temporal fluctuation in fertility promote coexistence but not vice versa: A random-community approach. <i>Journal of Theoretical Biology</i> , 2008, 253, 593-600.	1.7	3
302	Size-dependent sex change can be the ESS without any size advantage of reproduction when mortality is size-dependent. <i>Theoretical Population Biology</i> , 2010, 78, 183-191.	1.1	3
303	Regime shift and robustness of organism-created environments: A model for microbial ecosystems. <i>Journal of Theoretical Biology</i> , 2011, 269, 297-306.	1.7	3
304	Optimal investment for enhancing social concern about biodiversity conservation: A dynamic approach. <i>Theoretical Population Biology</i> , 2012, 82, 177-186.	1.1	3
305	Phenotype adjustment promotes adaptive evolution in a game without conflict. <i>Theoretical Population Biology</i> , 2015, 102, 16-25.	1.1	3
306	A forecast for extinction debt in the presence of speciation. <i>Journal of Theoretical Biology</i> , 2017, 415, 48-52.	1.7	3

#	ARTICLE	IF	CITATIONS
307	Why is bidirectional sex change rare?. <i>Journal of Theoretical Biology</i> , 2018, 453, 136-145.	1.7	3
308	Chemical mimicry or crypsis—the evolutionary game played by parasitic ants invading other colonies. <i>Theoretical Ecology</i> , 2019, 12, 391-399.	1.0	3
309	Optimal age-dependent sustainable harvesting of natural resource populations: Sustainability value. <i>Researches on Population Ecology</i> , 1997, 39, 139-148.	0.9	2
310	Estimating the spatiotemporal pattern of volumetric growth rate from fate maps in chick limb development. <i>Developmental Dynamics</i> , 2009, 238, 415-422.	1.8	2
311	Advantage of having regulatory T cells requires localized suppression of immune reactions. <i>Journal of Theoretical Biology</i> , 2009, 260, 392-401.	1.7	2
312	Cultural evolution of hinoeuma superstition controlling human mate choice: The role of half-believer. <i>Journal of Theoretical Biology</i> , 2015, 385, 40-49.	1.7	2
313	Phase diagram of a multiple forces model for animal group formation: marches versus circles determined by the relative strength of alignment and cohesion. <i>Population Ecology</i> , 2016, 58, 357-370.	1.2	2
314	The Persistence of a Local Dialect When a National Standard Language is Present: An Evolutionary Dynamics Model of Cultural Diversity. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 2761-2786.	1.9	2
315	How do toxicants affect epidemiological dynamics?. <i>Oikos</i> , 2019, 128, 729-740.	2.7	2
316	Seasonality in the production of male larvae: a game model for parasitic barnacles (Cirripedia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 0.8	0.8	2
317	How Thermodynamics Illuminates Population Interactions in Microbial Communities. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	2
318	Microbial material cycling, energetic constraints and ecosystem expansion in subsurface ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200610.	2.6	2
319	Spatial distribution of gut microbes along the intestinal duct. <i>Journal of Theoretical Biology</i> , 2021, 523, 110725.	1.7	2
320	Evolution of life cycle dimorphism: An example of sacoglossan sea slugs. <i>Journal of Theoretical Biology</i> , 2021, 525, 110760.	1.7	2
321	Spatially Limited Pollen Exchange and a Long-Range Synchronization of Trees. <i>Ecology</i> , 2002, 83, 993.	3.2	2
322	EXTINCTION RISK TO HERRING GULL POPULATIONS FROM DDT EXPOSURE. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 195.	4.3	2
323	Coupling of fermentation and foraging strategies of herbivorous mammals. <i>Journal of Theoretical Biology</i> , 1995, 172, 1-11.	1.7	1
324	Directional Evolution of Virus Within a Host Under Immune Selection. , 2007, , 155-176.		1

#	ARTICLE	IF	CITATIONS
325	Space and society: a preface to the special feature on "Theoretical Ecology", Ecological Research, 2006, 21, 325-327.	1.5	1
326	Preface to Special Feature: interface between ecology and social sciences in global environmental change. Ecological Research, 2009, 24, 477-478.	1.5	1
327	A network-based evolutionary method to solve inconsistent simultaneous equations approximately. , 2013, , .		1
328	Profit sharing and agroforestry: a theoretical study of potential conflicts in managing illegal logging risk in tropical forests. Theoretical Ecology, 2018, 11, 479-488.	1.0	1
329	A population model for diapausing multivoltine insects under asymmetric cannibalism. Population Ecology, 2019, 61, 35-44.	1.2	1
330	Why did sauropod dinosaurs grow so big? " A possible answer from the life history theory. Journal of Theoretical Biology, 2021, 508, 110485.	1.7	1
331	Eco-evolutionary dynamics may show an irreversible regime shift, illustrated by salmonids facing climate change. Theoretical Ecology, 2021, 14, 345-357.	1.0	1
332	To eat or not to eat: The NICE way. Journal of Carcinogenesis, 2004, 3, 3.	2.5	1
333	Evolution of male nuptial gift and female remating: A quantitative genetic model. Journal of Theoretical Biology, 2021, 533, 110939.	1.7	1
334	COOPERATION MAINTAINED BY FITNESS ADJUSTMENT. Evolutionary Ecology Research, 2007, 9, 1023-1041.	2.0	1
335	On the role of eviction in group living sex changers. Behavioral Ecology and Sociobiology, 2022, 76, 1.	1.4	1
336	Roles of pollinator attraction and environmental fluctuation in inducing flowering synchrony. , 0, , 251-281.		0
337	Free Fitness that Always Increases in Evolution.. Seibutsu Butsuri, 1991, 31, 27-32.	0.1	0
338	Extinction risk of natural populations and phenotypic traits evolution. Researches on Population Ecology, 1998, 40, 257-258.	0.9	0
339	Bifurcation analyses in the cyanobacterial circadian clock model. , 2006, , .		0
340	1P489 Mathematical modeling of gene interactions associated with Wnt signaling pathway in colorectal carcinoma(24. Mathematical biology,Poster Session,Abstract,Meeting Program of EABS &) Tj ETQq0 0 0 0 BT /Overdock 10 Tf		
341	Ecology as a Modern Science. , 2007, , 1-3.		0
342	Forum "Ecology and Economics" a preface. Ecological Research, 2007, 22, 1-2.	1.5	0

#	ARTICLE	IF	CITATIONS
343	T cell anergy as a strategy to reduce the risk of autoimmunity. <i>Journal of Theoretical Biology</i> , 2011, 277, 74-82.	1.7	0
344	The balance between self-renewal and differentiation probabilities determines longevity of hematopoietic stem cells. <i>Experimental Hematology</i> , 2013, 41, S32.	0.4	0
345	Evolution of synchronised and intermittent reproduction (masting) of trees: key role of regeneration dynamics. , 0, , 191-223.		0
346	Positive Feedback between Behavioral and Hormonal Dynamics Leads to Differentiation of Life-History Tactics. <i>American Naturalist</i> , 2020, 196, 679-689.	2.1	0
347	Processes affecting size of fish schools in agent-based model. <i>Population Ecology</i> , 2021, 63, 219-229.	1.2	0
348	Adaptive strategy theory of behavior and growth.. <i>Seibutsu Butsuri</i> , 1985, 25, 50-56.	0.1	0
349	Optimal Growth Schedule of Terrestrial Plants. , 1990, , 335-349.		0
350	Optimal composition of chloride cells for osmoregulation in a randomly fluctuating environment. <i>Journal of Theoretical Biology</i> , 2022, 537, 111016.	1.7	0
351	Invasibility of seed predators on synchronized intermittent seed production of host plants. , 2006, , 271-288.		0